

Patent Abstracts of Japan

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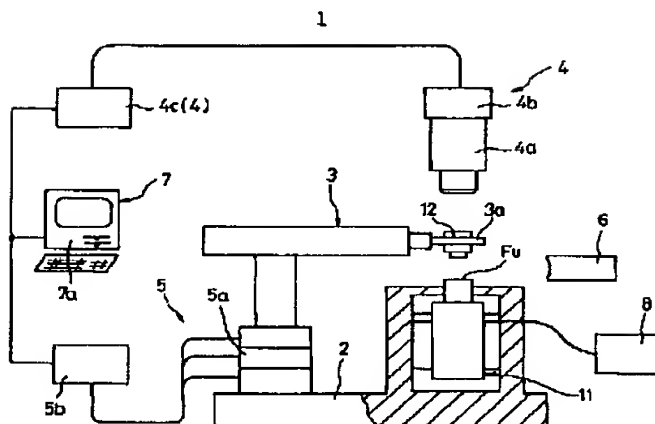
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TITLE : ASSEMBLING DEVICE FOR OPTICAL MODULE



ABSTRACT : PROBLEM TO BE SOLVED: To make it possible to automatically assemble a high-output type optical module at a low cost in a short time by measuring the optical axis in case of a single package body and in a state wherein a 2nd optical component is temporarily set.

SOLUTION: A pedestal 2 fixed a package 11 detachably so that the top surface FU is horizontal, and a power source 8 which puts a light emitting element stored in the package 11 in operation is connected. A gripping means 3 grips a lens component 12 and has an air chuck 3 fitted to the tip end. An optical detecting and processing means 4 has a microscope 4a, a vidicon camera 4b, and an image processor 4c, detects a light emission surface and a light emission point viewed from above the package 11 so that they are magnified through the microscope 4a, and processes video photographed by the vidicon camera 4b by an image processor 4c. A driving device 5b drives a driving stage 5a with the driving signal from a control means 7 to drive the gripping means 3, and moves the gripped lens component 12 along three X, Y, and Z axes.

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